

ST. JOHNS RIVER

Jacksonville to Lake Harney

Section IV

PROJECT: A channel 13 x 200 feet from F.E.C. Ry. Bridge at Jacksonville to Palatka; thence 12 x 100 feet to Sanford with cut-offs and easing bends and including a side channel of like dimensions to Enterprise and an alternate approach channel to Sanford; and thence 5 x 100 feet to Lake Harney with a cut-off channel 5 x 75 feet between Lake Monroe and the vicinity of Osteen Bridge; a channel 8 x 50 feet to Hastings Landing at Deep Creek; and maintenance of two jetties built at Volusia Bar under a previous project. Length of project is about 181.5 miles in St. Johns River, 5 miles in Deep Creek, 2.7 miles in the channel to Enterprise, and 0.9 mile in the alternate approach channel to Sanford.

MEAN TIDAL RANGE: 1.1 feet at Jacksonville, 1.2 feet at Palatka, and perceptible at Sanford.

AGTS	WORK AUTHORIZED	DOCUMENTS
	ST. JOHNS RIVER, FLA. JACKSONVILLE TO PALATKA	
3 Mar. 1899	Channel 13 x 200 feet from Jacksonville to Palatka.	H. Doc. 923/55/2 (S.A.R. for 1899/1943)
2 Mar. 1919	Deep Creek improvement (deauthorized).	H. Doc. 599/63/2
14 June 1890	Jetties at Volusia Bar (maintenance only).	A.R. for 1879, p. 795
25 June 1910	Channel 8 x 100 feet from Palatka to Sanford, thence 2100 feet to Lake Harney.	H. Doc. 1111/60/2
3 July 1930	Channel 10 x 100 feet from Palatka to Sanford, with a side channel to Enterprise, with cut-offs and easing bends. (cut-offs deauthorized).	H. Doc. 591/69/2 H. Doc. 603/76/3
2 Mar. 1945	Consolidation of above projects, and a cut-off channel 5 x 75 feet between Lake Monroe and Osteen Bridge.	H. Doc. 445/78/2
24 July 1946	Channel 12 x 100 feet from Palatka to Sanford and in side channel to Enterprise.	S. Doc. 208/79/2

AUTHORIZATION FOR EXISTING PROJECT

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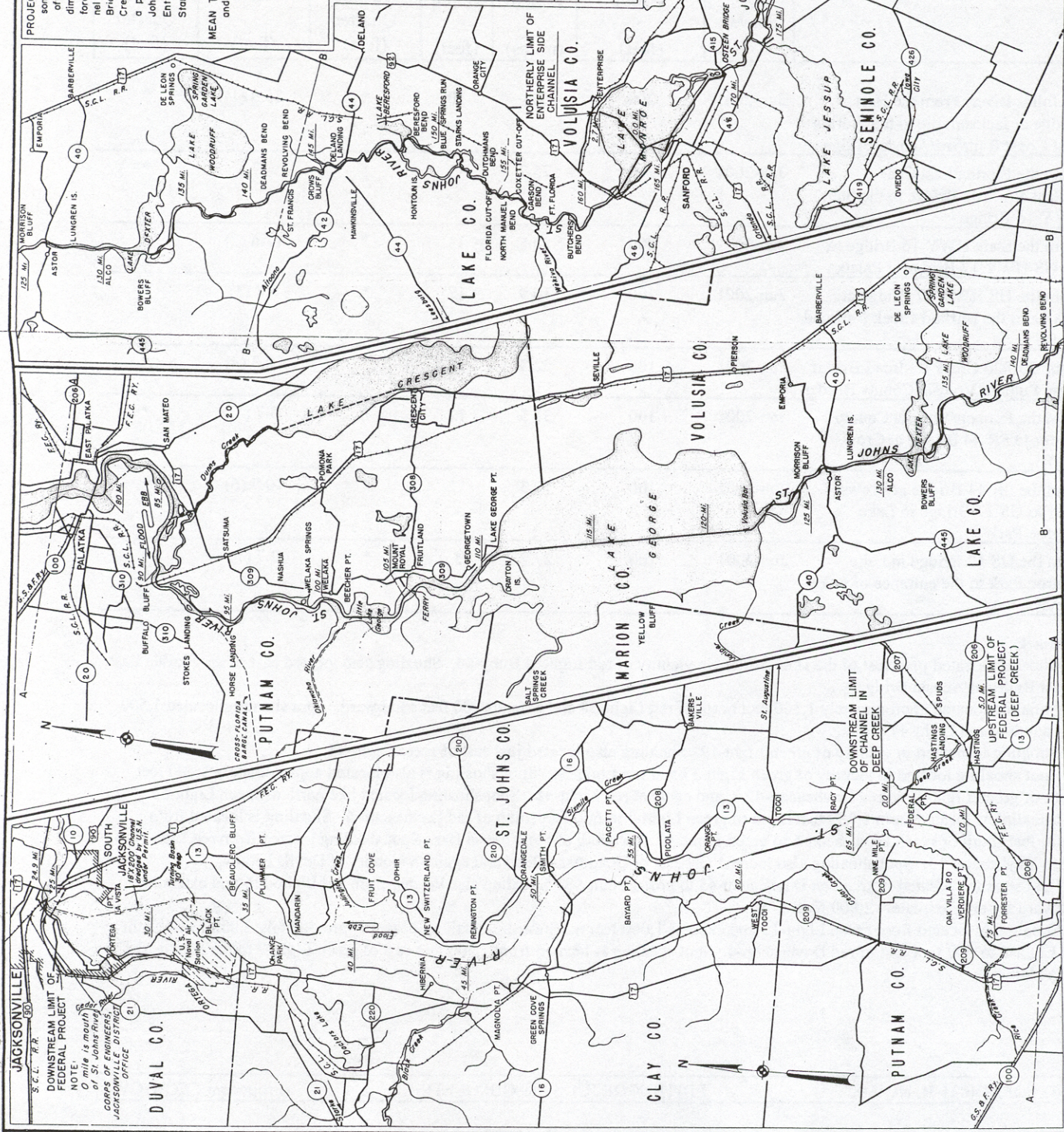
ST. JOHNS RIVER, FLA., JACKSONVILLE TO LAKE HARNEY

SCALE IN MILES

0 5 10

DEPARTMENT OF THE ARMY
JACKSONVILLE DISTRICT, CORPS OF ENGINEERS
JACKSONVILLE, FLORIDA

9-30-78



REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-316)						Page 1 of 1 August 2001	
TO: St. Johns Water Management District, 7775 Baymeadows Way Suite 102, Jacksonville, FL				FROM: USACE. District Engineer Attn: CESAJ-CO-OM Jacksonville. Florida			
RIVER/HARBOR NAME AND STATE St. Johns River, Jacksonville to Lake Harney, FL				MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			
St. Johns River: From the Hart Bridge at Jacksonville to the Florida East Coast Railroad/Acosta Bridge.	Jun-2001	200	2.4	30	*	25.9 (1)	*
From the Florida East Coast Railroad/Acosta Bridge to the State HWY 16 Bridge	Jun-2001	200	25.7	13	*	12.8	*
From the State HWY 16 Bridge to the US HWY 17 Bridge at Palatka	Jun-2001	200	28.5	13	*	11.6 (2)	*
From the US HWY 17 Bridge at Palatka to the Buffalo Creek Railroad Bridge	Jun-2001	100	10.9	12	*	6.8 (3)	*
From Buffalo Creek Railroad Bridge to the Putnam/Volusia County Border	Jun-2001	100	22.3	12	*	10.3 (4)	*
From the Putnam/Volusia County Border to SR 44 Bridge at Crows Bluff	Jun-2001	100	31.5	12	*	8.7 (5)	*
From the SR 44 Bridge at Crows Bluff to US 17 Bridge in Lake Monroe Park	Jun-2001	100	18.3	12	*	10.9 (6)	*
From the US 17 Bridge in Lake Monroe Park to the entrance of Lake Harney	Jun-2001	100	27.2	5	*	2.7 (7)	*

Remarks:

1. Shoaling located just west of the Hart Bridge, in vicinity of red Lighted Buoy-80. Shoaling also located east of the Florida East Coast Railroad/Acosta Bridge.
2. Shoaling located approximately 1,300 feet north of red Light-38 and extends 900 feet southward. Spot shoaling located 1,500 feet south of red Light-44.
3. Shoaling is located in vicinity of green Light-19. Shoaling also located just east of green Light-23.
4. Spot shoaling located in vicinity of green Light-33 and red Light-34. Spot shoaling is also located approximately 1,000 feet north of green Light-41 to red Daybeacon-42A, and again at red Light-48. Spot shoaling located just north of green Light-53.
5. Shoaling is located from 1,000 feet north of green Light-7 to 600 feet south of red Daybeacon-6. Shoaling is located from 2,300 feet south of green Daybeacon-6 to green Light-17, just south of the Volusia Bar. Spot shoaling located from red Light-4 to green Daybeacon-13. Spot shoaling also located just east of Deadmans Bend and again in vicinity of Devils Elbow.
6. Spot shoaling located from green Daybeacon-43 to green Light-63. Shoaling also located from red Light-116 and extending eastward for approximately 2,000 feet.
7. Shoaling is located from green Light-15 and extends 1,000 feet northward. Shoaling located approximately 2,000 feet west of red Light-2 to 600 feet east of red Daybeacon-4. Spot shoaling is located from 1,500 feet east of green Light-7 to the entrance of Lake Harney.

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-316)					Page 1 of 1		
					July 2001		
TO: St. Johns Water Management District, 7775 Baymeadows Way Suite 102, Jacksonville, FL				FROM: USACE, District Engineer Attn: CESAJ-CO-OM Jacksonville, Florida			
RIVER/HARBOR NAME AND STATE Lake Crescent and Dunns Creek, Putnam, FL				MINIMUM DEPTHS IN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD			
NAME OF CHANNEL	Date of Survey	AUTHORIZED PROJECT			Left Outside Quarter (feet)	Middle Half (feet)	Right Outside Quarter (feet)
		Width (feet)	Length (miles)	Depth (feet)			

Dunns Creek: From the intersection of the St. Johns River to the US HWY 17 Bridge	Jun-2001	100	0.8	8	7.1 (1)	6.3 (1)	9.3
From the US HWY 17 Bridge to a point approximately 1,000 feet southeast of Sutherlands Still	Jun-2001	100	2.1	8	4.6 (2)	4.6 (2)	6.3 (2)
From a point approximately 1,000 feet southeast of Sutherlands Still to Monroe Lodge.	Jun-2001	100	1.2	8	9.5	4.0 (3)	7.9
From Monroe Lodge to 0.5 miles northeast of Piney Bluff Lodge.	Jun-2001	100	1	8	11.2	10.1	12.7
From 0.5 miles northeast of Piney Bluff Lodge to the entrance of Crescent Lake	Jun-2001	100	1.9	8	4.6 (4)	3.7 (4)	4.0 (4)
From entrance of Crescent Lake to a point approximately 1 mile south which is adjacent to Willow Point.	Jun-2001	100	1	8	5.8 (5)	6.0 (5)	6.0 (5)
From 1 mile south of entrance to Crescent Lake to the end of the federal project adjacent to Crescent City.	Jun-2001	100	7.3	8	8.4	8.1	8.5

Remarks:

1. Spot shoal located north of intersection between Murphy Creek and Dunns Creek.
2. Spot shoal located approximately 1 mile west of and extending to approximately 0.2 miles southeast of Sutherlands Still.
3. Spot shoal located approximately 0.7 miles west of Monroe Lodge, and again at approximately 0.2 miles west of Monroe Lodge.
4. Spot shoal located from approximately 0.5 miles northeast of Piney Bluff Lodge to approximately 1 mile southeast of Piney Bluff Lodge. Least depths occur just east of Piney Bluff Lodge.
5. Shoaling throughout entire northern section of Crescent Lake.